

#23

09248382**ENTERED**

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/248,382C

DATE: 12/31/2002

TIME: 13:39:46

RECEIVED

JAN 06 2003

TECH CENTER 1600/2900

Input Set : A:\U012104.txt

Output Set: N:\CRF4\12312002\I248382C.raw

3 <110> APPLICANT: MUKHERJEE, RAMA
4 JAGGI, MANU
5 PRASAD, SUDHANAND
6 BURMAN, ANAND C
8 <120> TITLE OF INVENTION: NOVEL PEPTIDE ANALOGS FOR THE TREATMENT OF CANCER
10 <130> FILE REFERENCE: U012104-2
12 <140> CURRENT APPLICATION NUMBER: 09/248,382C
C--> 13 <141> **CURRENT FILING DATE: 1999-02-10**
15 <150> PRIOR APPLICATION NUMBER: 343/DEL/98
16 <151> PRIOR FILING DATE: 1998-02-11
18 <160> NUMBER OF SEQ ID NOS: 29
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 8
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
29 was synthetically generated.
31 <400> SEQUENCE: 1
32 Leu Met Tyr Pro Thr Tyr Leu Lys
33 1 5
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 8
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
43 was synthetically generated.
45 <220> FEATURE:
46 <221> NAME/KEY: MOD_RES
47 <222> LOCATION: (1)
48 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
50 <220> FEATURE:
51 <221> NAME/KEY: MOD_RES
52 <222> LOCATION: (7)
53 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
55 <400> SEQUENCE: 2
W--> 56 Xaa Met Tyr Pro Thr Xaa Lys
57 1 5
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 8
62 <212> TYPE: PRT

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63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
67     was synthetically generated.
69 <220> FEATURE:
70 <221> NAME/KEY: MOD_RES
71 <222> LOCATION: (1)
72 <223> OTHER INFORMATION: /product = D-leucine/ label = D-Leu
74 <220> FEATURE:
75 <221> NAME/KEY: MOD_RES
76 <222> LOCATION: (7)
77 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
79 <400> SEQUENCE: 3
W--> 80 Xaa Met Tyr Pro Thr Tyr Xaa Lys
81     1             5
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 8
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
91     was synthetically generated.
93 <220> FEATURE:
94 <221> NAME/KEY: MOD_RES
95 <222> LOCATION: (6)
96 <223> OTHER INFORMATION: /product = D-tyrosine/ label = D-Tyr
98 <400> SEQUENCE: 4
W--> 99 Leu Met Tyr Pro Thr Xaa Leu Lys
100    1             5
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 8
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
110     was synthetically generated.
112 <220> FEATURE:
113 <221> NAME/KEY: MOD_RES
114 <222> LOCATION: (7)
115 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
117 <400> SEQUENCE: 5
W--> 118 Leu Met Tyr Pro Thr Tyr Xaa Lys
119    1             5
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 8
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide

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129 was synthetically generated.

131 <220> FEATURE:

132 <221> NAME/KEY: MOD_RES

133 <222> LOCATION: (3)

134 <223> OTHER INFORMATION: /product = D-tyrosine/label = D-Tyr

136 <220> FEATURE:

137 <221> NAME/KEY: MOD_RES

138 <222> LOCATION: (7)

139 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu

141 <400> SEQUENCE: 6

W--> 142 Leu Met Xaa Pro Thr Tyr Xaa Lys

143 1 5

146 <210> SEQ ID NO: 7

147 <211> LENGTH: 8

148 <212> TYPE: PRT

149 <213> ORGANISM: Artificial Sequence

151 <220> FEATURE:

152 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide

153 was synthetically generated.

155 <220> FEATURE:

156 <221> NAME/KEY: MOD_RES

157 <222> LOCATION: (1)

158 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu

160 <220> FEATURE:

161 <221> NAME/KEY: MOD_RES

162 <222> LOCATION: (7)

163 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu

165 <400> SEQUENCE: 7

W--> 166 Xaa Met Tyr Pro Thr Tyr Xaa Lys

167 1 5

170 <210> SEQ ID NO: 8

171 <211> LENGTH: 8

172 <212> TYPE: PRT

173 <213> ORGANISM: Artificial Sequence

175 <220> FEATURE:

176 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide

177 was synthetically generated.

179 <220> FEATURE:

180 <221> NAME/KEY: MOD_RES

181 <222> LOCATION: (1)

182 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib

184 <220> FEATURE:

185 <221> NAME/KEY: MOD_RES

186 <222> LOCATION: (7)

187 <223> OTHER INFORMATION: /product = Di-ethylglycine/label = Deg

189 <400> SEQUENCE: 8

W--> 190 Xaa Met Tyr Pro Thr Tyr Xaa Lys

191 1 5

194 <210> SEQ ID NO: 9

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195 <211> LENGTH: 8
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
201     was synthetically generated.
203 <220> FEATURE:
204 <221> NAME/KEY: MOD_RES
205 <222> LOCATION: (1)
206 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
208 <220> FEATURE:
209 <221> NAME/KEY: MOD_RES
210 <222> LOCATION: (7)
211 <223> OTHER INFORMATION: /product = Di-ethylglycine/ label = Deg
213 <400> SEQUENCE: 9
W--> 214 Xaa Met Tyr Pro Thr Tyr Xaa Lys
215     1             5
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 8
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
225     was synthetically generated.
227 <220> FEATURE:
228 <221> NAME/KEY: MOD_RES
229 <222> LOCATION: (1)
230 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
232 <220> FEATURE:
233 <221> NAME/KEY: MOD_RES
234 <222> LOCATION: (8)
235 <223> OTHER INFORMATION: /product = Leucine N-ethylamide/label = Leu-NHet
237 <400> SEQUENCE: 10
W--> 238 Xaa Gln Trp Ala Val Gly His Xaa
239     1             5
242 <210> SEQ ID NO: 11
243 <211> LENGTH: 8
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
249     was synthetically generated.
251 <220> FEATURE:
252 <221> NAME/KEY: MOD_RES
253 <222> LOCATION: (1)
254 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
256 <400> SEQUENCE: 11
W--> 257 Xaa Gln Trp Ala Val Gly His Leu
258     1             5

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Input Set : A:\U012104.txt

Output Set: N:\CRF4\12312002\I248382C.raw

261 <210> SEQ ID NO: 12
262 <211> LENGTH: 8
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
268 was synthetically generated.
270 <220> FEATURE:
271 <221> NAME/KEY: MOD_RES
272 <222> LOCATION: (1)
273 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
275 <220> FEATURE:
276 <221> NAME/KEY: MOD_RES
277 <222> LOCATION: (6)
278 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
280 <400> SEQUENCE: 12
W--> 281 Xaa Gln Trp Ala Val Xaa His Leu
282 1 5
285 <210> SEQ ID NO: 13
286 <211> LENGTH: 8
287 <212> TYPE: PRT
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
292 was synthetically generated.
294 <220> FEATURE:
295 <221> NAME/KEY: MOD_RES
296 <222> LOCATION: (1)
297 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
299 <220> FEATURE:
300 <221> NAME/KEY: MOD_RES
301 <222> LOCATION: (4)
302 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
304 <400> SEQUENCE: 13
W--> 305 Xaa Gln Trp Xaa Val Gly His Leu
306 1 5
309 <210> SEQ ID NO: 14
310 <211> LENGTH: 8
311 <212> TYPE: PRT
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
316 was synthetically generated.
318 <220> FEATURE:
319 <221> NAME/KEY: MOD_RES
320 <222> LOCATION: (1)
321 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
323 <220> FEATURE:
324 <221> NAME/KEY: MOD_RES

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/248,382C

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Input Set : A:\U012104.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 1,7
Seq#:3; Xaa Pos. 1,7
Seq#:4; Xaa Pos. 6
Seq#:5; Xaa Pos. 7
Seq#:6; Xaa Pos. 3,7
Seq#:7; Xaa Pos. 1,7
Seq#:8; Xaa Pos. 1,7
Seq#:9; Xaa Pos. 1,7
Seq#:10; Xaa Pos. 1,8
Seq#:11; Xaa Pos. 1
Seq#:12; Xaa Pos. 1,6
Seq#:13; Xaa Pos. 1,4
Seq#:14; Xaa Pos. 1,6
Seq#:15; Xaa Pos. 1
Seq#:16; Xaa Pos. 1,4
Seq#:17; Xaa Pos. 1,6
Seq#:18; Xaa Pos. 1,5,7,9
Seq#:19; Xaa Pos. 1,6
Seq#:20; Xaa Pos. 1,6
Seq#:21; Xaa Pos. 1,6
Seq#:22; Xaa Pos. 1,5,7,9,10
Seq#:23; Xaa Pos. 3,5,7,9
Seq#:24; Xaa Pos. 8,14
Seq#:25; Xaa Pos. 2,8,13
Seq#:26; Xaa Pos. 1,4,5,7
Seq#:27; Xaa Pos. 1,4,7
Seq#:28; Xaa Pos. 1,8
Seq#:29; Xaa Pos. 1,3,8

VERIFICATION SUMMARY

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Input Set : A:\U012104.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:672 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:726 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0